



## SEQUENCE LISTING

The University of Queensland

&lt;120&gt; EXPRESSION MODULATING SEQUENCES

&lt;130&gt; 2415281/EJH

&lt;140&gt; International

&lt;141&gt; 2001-06-13

&lt;150&gt; US 09/880,253

&lt;151&gt; 2001-06-13

&lt;160&gt; 60

&lt;170&gt; PatentIn version 3.0

&lt;210&gt; 1

&lt;211&gt; 307

&lt;212&gt; RNA

&lt;213&gt; mouse

&lt;400&gt; 1

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gggacggcca	gcuggagguc	ugcgugguag	agggaacucc	agagacugug	gaucaccaag	180
acugaacggc	ugcuucugcc	cacucuuugg	gauguuucuu	cuuaaggaag	cugaaaaacg	240
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agacgcc						307

&lt;210&gt; 2

&lt;211&gt; 188

&lt;212&gt; RNA

&lt;213&gt; mouse

&lt;400&gt; 2

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gcgccucucc	cacauacuag	aaaucucucc	cuuucuugag	guugggauga	agaagcaguu	120
gggacggcca	gcuggagguc	ugcgugguag	agggaacucc	agguccccuc	auccuucccu	180
gagacgcc						188

&lt;210&gt; 3

&lt;211&gt; 74

&lt;212&gt; RNA

&lt;213&gt; mouse

&lt;400&gt; 3

aguuuccagc	ccuggaccac	gcaucccgag	caccgcgccc	cgacggaggu	ccccucaucc	60
uucccugaga	cgcc					74

&lt;210&gt; 4

&lt;211&gt; 219

&lt;212&gt; RNA

&lt;213&gt; human

&lt;400&gt; 4

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ugucucaggg	aaccgugggu	cuuugucucc	gccucuccca	uauauuagaa	auaucuuacu	120
uucaugcggu	uaaguugaag	aggcuggagg	gauggcuagc	uggaugucug	cguuguagag	180
agguaacccc	agugucccca	caccucccuc	ugagacgcc			219

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 <211> 75  
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 <213> human  
  
 <400> 5  
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 cuccucugag acgcc 75  
  
 <210> 6  
 <211> 8  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223>Description of Artificial Sequence:This sequence represents  
 a Kozac sequence.  
  
 <220>  
 <221> misc\_feature  
 <222> (2)..(2)  
 <223> n = any nucleotide  
  
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 <221> misc\_feature  
 <222> (8)..(8)  
 <223> n = any nucleotide  
  
 <400> 6  
 rnccrwgn 8  
  
 <210> 7  
 <211> 10  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223>Description of Artificial Sequence:This sequence represents  
 a strong Kozac sequence.  
  
 <400> 7  
 gccrccrwgg 10  
  
 <210> 8  
 <211> 10  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223>Description of Artificial Sequence:This sequence represents  
 a weak Kozac sequence.  
  
 <220>  
 <221> misc\_feature  
 <222> (10)..(10)  
 <223> n = any nucleotide  
  
 <400> 8  
 atttccrwgn 10

<210> 9  
 <211> 10  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223>Description of Artificial Sequence:This sequence represents  
       a 5' leader sequence.  
  
 <400> 9  
 atttccttga 10  
  
 <210> 10  
 <211> 10  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223>Description of Artificial Sequence:This sequence represents  
       a 5' leader sequence with a weak Kozac sequence.  
  
 <400> 10  
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 <210> 11  
 <211> 11  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223>Description of Artificial Sequence:This sequence represents  
       a 5' leader sequence with a strong Kozac sequence.  
  
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 <210> 12  
 <211> 21  
 <212> DNA  
 <213> primer  
  
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 <210> 13  
 <211> 21  
 <212> DNA  
 <213> primer  
  
 <400> 13  
 ggcgtctcag ggaaggatga g 21  
  
 <210> 14  
 <211> 27  
 <212> DNA  
 <213> primer  
  
 <400> 14  
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<210> 15	
<211> 27	
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<213> primer	
<400> 15	
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<210> 16	
<211> 17	
<212> DNA	
<213> primer	
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<211> 21	
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<213> primer	
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<213> primer	

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<213> primer	
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<211> 27	
<212> DNA	
<213> primer	
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<211> 27	
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<210> 28	
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<210> 29	
<211> 27	
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<213> primer	
<400> 29	
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<210> 30	
<211> 27	

<212> DNA  
<213> primer

<400> 30  
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<210> 31  
<211> 21  
<212> DNA  
<213> primer

<400> 31  
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<210> 32  
<211> 21  
<212> DNA  
<213> primer

<400> 32  
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<210> 33  
<211> 877  
<212> DNA  
<213> mouse

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gactcaccct ctcccagaag gagacctggg gctcagaggc aatatggggt tgggagagtt 180  
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cgctctctcc acatactaga aatctctctcc tttcttgagg ttgggatgaa gaagcagttg 360  
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ggaagacgtc agtgtttcta agacgggacc caccgcaaaa gaaggagagc ctcaagtggg 480  
tgggagttagc ggtgtgccag gcaacagaac ccctgagggc cgggctggga ttggactcct 540  
gacctgtggc tgtgacagat gtgcacatgg ggtttagggg caaaggagtg ggtttggact 600  
cgggaggagg ctgggtgggt ttcttaacat gtgggttagg ccgtaaaaaa atccctagga 660  
attctggact tctgagtccc aaagactgtg ggcagggccc ccgaggaaaa gtaagagctg 720  
gggaaacctt gttttgacct tctgacctca agaccaccgg ggcaactgaa gccaggcgcc 780  
gggagacccc tactggggca gaacgggacc actggctact gccagcttgt gtatcccttg 840  
ttgggcccc cgcctcaaac gggatcttgg ggaccga 877

<210> 34  
<211> 427  
<212> DNA  
<213> mouse

<400> 34  
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agagggaaaa gaaaaaagaa aagcaagtag agagagctca tggcattaaa aatcacctag 120  
gacttgtgtt ggatcagtta gtccctaaca ttcccttgta catacagaga ctgtggatcc 180  
ccaagactga acggctgctt ctgcccactc tttgggatgt ttcttcttaa ggaagctgaa 240  
aaacgttatt gatttccatg accagtttct gagatgaggg ttagaggtac aagggacatg 300  
ctggcgaggg gggggggggg aaatctgtgc ctgaaactgt catttatctt ctctgtttcg 360  
ctccatcttt ataactggca gatctacatt cctttccaca ggtcccctca tccttccctg 420  
agacgcc 427

<210> 35  
<211> 581

<212> DNA  
<213> human

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ttagggactc atcccagacc cgggacatag aggcaaaata ggggtgggag agcctggggg 180  
gagacattag aaactccaga tttttcactt gtgtctttct ctgtatcttc tttttcttcc 240  
ctttttttct tctgtcagtc tgtgtatctc tgtctcaggg aaccgtgggt ctttgtctcc 300  
gcctctccca tatattagaa atatcttact ttcatgcggt taagttaaag aggctggagg 360  
gatggctagc tggagggtctg cgttgttagag aggtaacccc aggtgtgtgc ctgcgcgtgg 420  
ggttaggaaga tgtcagtgtt tctgaaaggt ggggactgca aaggagggag ctccaagtgg 480  
ggtggggacg ggtgtgtggg aggcaacaga gccactaggg gccaccaggc ttgaaccttt 540  
gacctgtctt gtgacagatg tgccagtggg tgcttgtgct t 581

<210> 36  
<211> 573  
<212> DNA  
<213> human

<400> 36  
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acggagtcta gctctgtcac ccaggctgga gtgcagtggc accatctcgg ctactgaaa 180  
cctccgcctc ccaggttcaa gcgattcttc tgcctcagcc ttccgagtag ctgggattac 240  
aggcaccgcg catcatgact ggctaatttt tgtttttttg tagagacggg ggtttcacca 300  
tgttggccag gctggctctc aactgtcctc aggtgatect cccgcctcag cctctcaaag 360  
cgttggaatt acaggcgtga gccactgtgc cgggctcagt gatgctcttt tcaactcgaa 420  
ttccgtggca gatgtcttag aggggtgggg gataccaggg atgttctgcc caggattctg 480  
tgcctgagac tgctgtctga cagtctctat ttcctccacc tttataccta ccttcccttt 540  
ctgcagtgtc cccacacctt cctctgagac gcc 573

<210> 37  
<211> 22  
<212> DNA  
<213> primer

<400> 37  
ttgagctcag ttccagccct gg 22

<210> 38  
<211> 20  
<212> DNA  
<213> primer

<400> 38  
aaccatggcg tctcaggga 20

<210> 39  
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<212> DNA  
<213> primer

<400> 39  
ggtttccag tcaccgac 18

<210> 40  
<211> 21  
<212> DNA  
<213> primer

<400> 40  
acacaggaag cagctatgac c 21

<210> 41  
<211> 307  
<212> RNA  
<213> mouse

<400> 41  
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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag 180  
acugaacggc ugcucugcc cacucuuugg gauguuucu cuuaaggaag cugaaaaacg 240  
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug 300  
agacgcc 307

<210> 42  
<211> 307  
<212> RNA  
<213> mouse

<400> 42  
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gcgccucucc cacauacuag aaucucucc cuuucuugag guugggauga agaagcaguu 120  
gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag 180  
acugaacggc ugcucugcc cacucuuugg gauguuucu cuuaaggaag cugaaaaacg 240  
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug 300  
agacgcc 307

<210> 43  
<211> 307  
<212> RNA  
<213> mouse

<400> 43  
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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag 180  
acugaacggc ugcucugcc cacucuuugg gauguuucu cuuaaggaag cugaaaaacg 240  
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agacgcc 307

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agacgcc 307

<210> 45  
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<212> RNA  
<213> mouse

<400> 45



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gggacggcca	gcuggagguc	ugcgugguag	agggaacucc	agagacugug	gaucaccaag	180
acugaacggc	ugcuucugcc	cacucuuugg	gauguuucuu	cuuaaggaag	cugaaaaacg	240
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agacgcc						307

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 <212> RNA  
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gggacggcca	gcuggagguc	ugcgugguag	agggaacucc	agagacugug	gaucaccaag	180
acugaacggc	ugcuucugcc	cacucuuugg	gauguuucuu	cuuaaggaag	cugaaaaacg	240
uuauugauuu	ccaugaccag	uuucugagau	gaggguuaga	gguccccuca	uccuucccug	300
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gggacggcca	gcuggagguc	ugcgugguag	agggaacucc	agguccccuc	auccuucccu	180
gagacgcc						188

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gagacgcc						188

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gagacgcc						188

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uucccugaga	cgcc					74

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 uucccugaga cgcc 74

<210> 52  
 <211> 74  
 <212> RNA  
 <213> mouse

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 cuccucugag acgcc 75

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<211> 75
<212> RNA
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<400> 57
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cuccucugag acgcc 75

<210> 58
<211> 75
<212> RNA
<213> human

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cuccucugag augcc 75

<210> 59
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tctgtgtctg tcccaggtct ctttgctccg gcctctccca catactagaa atctctccct 660
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cccctgaggg	ccgggctggg	attggactcc	tgacctgtgg	ctgtgacaga	tgtgcacatg	900
gggttttaggg	gcaaaggagt	gggtttggac	tcgggaggag	gctgggtggg	tttcctaaca	960
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